

OPEN POSITION: SENIOR ELECTRONICS ENGINEER

ALCAN is a start-up company working towards a future where every moving vehicle (cars, ships, trains, planes) has broadband connection by using ALCAN's ground-breaking liquid crystal based smart antennas. ALCAN's patented technology enables ultra-thin, lightweight flat panel antennas which can track satellites fully electronically without any moving parts.

We are looking for enthusiastic individuals who want to be a part of this exciting change and work towards developing these antennas to make a global impact by enabling communication easier for every human being.

We have an open full time position for a **Senior Electronics Engineer** in Darmstadt, Germany.

ALCAN offers a generous relocation package to cover the moving costs if the employee is outside of the southern Frankfurt Rhein-Main area.

JOB DESCRIPTION

The **Senior Electronics Engineer** will join to the Electronics team to apply electrical engineering knowledge and skills for designing and developing Antenna Control Unit (ACU) for ALCAN's smart antenna. The ACU includes design, implementation and test of boards for various environmental sensors (including their calibration), intelligent voltage supply circuitry for tuning and embedded programming for different microcontroller architectures. In addition to ACU activities, the Electronics team supports or develops turnkey solutions (e.g. circuit boards) for controlling various test rigs utilized mainly for antenna measurements.

Responsibilities of this position are:

- System integration experience of embedded systems with electronics, firmware, and software
- Electronics packaging and thermal management techniques
- Mixed signal EE design experience at either the PCB or IC level
- Select components, guide schematic & PCB layout design, and analyze prototype performance
- Power supply and analog circuit design
- Experience with electronics design tools such as Eagle, Altium, Cadence, SPICE or Ansoft
- Experience in testing, data analysis and debugging
- Familiarity with software code review and modification
- Familiarity with design for manufacturing
- FPGA/CPLD implementation and algorithm review experience is a plus
- Scripting or Automation is a plus

Education and Experience

- Master's Degree in electrical engineering + 5 years of experience or Bachelor's Degree in electrical engineering + 8 years of experience
- Experience on Embedded Systems and PCB Design
- Strong understanding on Analog and Digital Electronics

- Experience with schematic entry and layout tools
- Expertise in the use of standard electronic laboratory equipment, such as oscilloscopes, spectrum analyzers, etc.
- Strong communication, presentation, and writing skills

Key Competencies

- Ability to think out-of-box, problem solving, and adapt quickly to new technical areas
- Analyze the trade-offs between performance, manufacturability, cost and user experience
- Take initiative to further enhance ACU performance with innovation and new technologies
- Prototyping new ideas
- Write detailed electrical engineering specifications for system, IC, PCB, Firmware, and Software design
- Confidentiality
- Team member
- Adaptability
- Verbal and written communication skills

Please send us relevant documents via e-mail: career@alcansystems.com



OFERTA DE EMPLEO
Fecha de publicación:
OFICINA DE PRÁCTICAS

11-07-2017

HASTA 11-08-2017